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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/756,106	01/09/2001	Joseph M. Cannon	Cannon 114-38-20	5625

7590 12/17/2003

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EXAMINER

CRAVER, CHARLES R

ART UNIT	PAPER NUMBER
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2682

DATE MAILED: 12/17/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/756,106

Applicant(s)
Cannon et al

Examiner
Charles Craver

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— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Oct 1, 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-6 is/are allowed.
- 6) ☒ Claim(s) 7-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 7 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu in view of Mauney et al.

Liu discloses a wireless piconet device 15 and method for operating it, comprising means for a user to provide an identification number (reads PIN), and means for providing to the device an address associated with an address of one other wireless piconet device within range of said network device (col 2 lines 5-46).

Liu fails to disclose an address list associated with the PIN, that is, that a number of connected devices may be associated with said PIN.

Mauney discloses a wireless piconet device (38) comprising a unique ID (col 12 lines 19-42, col 17 lines 14-34), and means to allow a user to view an address list associated with other paired piconet devices stored in the device (col 16 lines 6-36). Mauney further discloses that an overall list of associated piconet devices may be grouped into different subgroups (col 29 lines

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51-67, col 52 lines 9-21) for the purpose of communications, and that each group may have a different purpose (family, coworker, friend) with a single access point (i.e. a single code).

Therefore, given the suggestion of Mauney, and the popularity of address lists in portable phones, it would have been obvious given the grouping of the Mauney invention to allow a user to select a list by using a selection module allowing the user to select a particular said subgroup using, for example, the display, in order to facilitate the communication taught by Liu by allowing efficient grouping of addresses.

3. Claims 8-10 rejected under 35 U.S.C. 103(a) as being unpatentable over Liu in view of Mauney as applied to claim 7 above, and further in view of Brown et al.

Claim 9: While disclosing applicant's invention of claim 7 above, Liu fails to disclose the use of Bluetooth.

Brown discloses that Bluetooth was a well-known short-range RF standard at the time of the invention, asserting that the use of the Bluetooth protocol in a piconet device offered a robust communication (col 3 lines 10-60).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate Bluetooth into Liu in view of Mauney, as it would, as suggested by Brown, make the connection more robust. **Claim 8:** since Brown discloses Bluetooth may send both voice and data, sending address data from one device to another would have been an obvious use of said network. **Claim 10:** Brown discloses that Bluetooth-enabled devices may be a master or slave device (col 4 lines 14-37).

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4. Claims 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu in view of Mauney as applied to claim 11 above, and further in view of Brown et al.

Please see the rejections of claims 8-10 above.

Allowable Subject Matter

5. Claims 1-6 are allowed.

6. The following is an examiner's statement of reasons for allowance:

claim 1 teaches towards a wireless piconet device with a unique first-bit-length address, and means to enter a PIN or passcode and associate it with both the first address and at least one other unique piconet device address, the PIN having a much shorter length than the first bit-length.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

7. Applicant's arguments filed 10-1-03 have been fully considered but they are not persuasive.

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Regarding claims 7, 11, 8 and 12, the examiner respectfully disagrees with the assertion that Liu and Mauney fail to render obvious to instant invention.

First, the examiner notes that Liu indeed discloses a piconet device, as a device for directly communicating with devices in a macrocellular in the same manner as e.g. a BLUETOOTH device is read as a piconet device. Second, Mauney does disclose associating a single passcode/PIN with a table of piconet addresses.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

9. Any response to this action should be mailed to:

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Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Or:

(703) 872-9314 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal

Drive, Arlington VA, sixth floor (receptionist).

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Craver whose telephone number is (703) 305-3965.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin, can be reached on (703) 308-6739.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

cc

C. Craver
December 14, 2003


CHARLES CRAVER
PATENT EXAMINER


VIVIAN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

12/15/03